

26713  
S/056/61/041/005/028/038  
B102/B138

24,6300

AUTHOR:

Kobiashvili, M. Ya.

TITLE:

Incoherent scattering of electrons from nuclei and the magnetic radius of the neutron

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41, no. 5(11), 1961, 1628 - 1631

TEXT: The fact that fast electron scattering experiments with proton yield data which differ from those calculated for point protons led to the assumption that charge and magnetic moment of the proton are distributed over a certain volume. Agreement is best for an exponential model with a root-mean-square radius of this volume of  $r_p = 0.8\phi$ . For the neutron's volume of magnetic-moment distribution comparative measurements were made with  $H^2$  and  $Be^9$  nuclei and  $r_n = 0.8\phi$  and  $0.53\phi$ , respectively, were found. The interpretation of these experiments was made for free neutrons (exponential model) and the author wanted to find out if, and to what extent, the binding of the neutron in the  $Be^9$  nucleus could be

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Incoherent scattering of...

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the cause of this decrease in  $r_n$ . The electron-neutron interaction is determined by the interaction between the magnetic moment of the neutron with the magnetic field of the electron. The motion of the center of mass is allowed for by using a two-body model in which the interaction between core and neutron is described by assuming a spherically symmetric potential well. The initial state is, according to the shell model described by the wellknown angular spin functions, and the final state, in Born approximation. Numerical calculations are made for the  $\text{Be}^9$  nucleus for  $R = \sigma_n/\sigma_p = 1.17$  and  $\theta = 135^\circ$ . They show that allowance for the binding of the neutron leads to an increase of  $r_n$ . For all types of structure functions  $f_{2n}(r)$  (- from the formula  $\vec{M} = \frac{e}{2Mc} f_{2n}(\vec{r}^2 - \vec{r}_n^2) \vec{r}_n \sigma_n$  for the magnetic moment of the neutron, where  $\vec{r}_n$  is its anomalous magnetic moment -), the  $r_n$  values of the free neutron ( $\frac{1}{2} = 1$ ) are lower than those for the bound neutron (c.f. Table). But no values from the table coincide with  $r_n = r_p = 0.8\bar{a}$  which were found for  $\text{H}^2$ . This may be due to

Carl 2/4

KOBIASHVILI, M.Ya.

Incoherent scattering of electrons on nuclei and the magnetic  
radius of the neutron. Zhur. eksp. i teor. fiz. 41 no.5:1628-1631  
N '61. (MIRA 14:12)

1. Tbilisskiy gosudarstvennyy universitet.  
(Electrons--Scattering)  
(Neutrons--Measurement)

KOBIASHVILI, N.I., nauchnyy sotrudnik

Canker of the grape vine. Zashch. rast. ot vred. i bol. 9 no.1:  
23-24 '64. (MIRA 17:4)

1. Gruzinskiy institut sadovodstva, vinogradarstva i vinodeliya,  
Tbilisi.

KOBIASHVILI, N. N.

Kobiashvili, N. N. - "The treatment of infectious wounds with leaves of the great plantain", Sbornik trudov (Oruz. zootekhn.-vet. in-t), Vol. VI, 1948, p. 134-41, (In Russian, resume in Georgian),

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

BOROVNIK, A.N.; KOBIASHVILI, R.I.; MAYSURADZE, T.G.

Automatic hard facing of steel rolls under a layer of ceramic  
flux. Biul. TSIICHM no.1:40-41 '61. (MIRA 14:9)

1. Zakavkazskiy metallurgicheskii zavod.  
(Hard facing) (Flux (Metallurgy))

KOBIASHVILI, V.I.

Biological and geochemical significance of tungsten occurring in nature. Soob. AN Gruz. SSR 35 no.1:83-86 J1 '64.

(MIRA 17:10)

1. Geologicheskii institut AN GruzSSR, Tbilisi. Predstavleno chlenom-korrespondentom AN GruzSSR D.I. Eristavi.

KOBIASHVILI, V.I.

Vanadium in some naturally-occurring substances. Soob. AN Grus.  
SSR 34 no.1:67-71 Ap'64 (MIRA 17:7)

1. Geologicheskii Institut AN Gruzinskoy SSR. Predstavlena  
chlenom-korrespondentom Akademii D.I. Eristavi.





KOBIASHVILI, V. Sh.

MERKVILADZE, Zursb/Ivlianovich, KOBIASHVILI, V. Sh., redaktor;  
DZHANLIDZE, O. O., tekhnicheskij redaktor

[Tkibuli and its innovators] Tkibuli i ego novatory. Tbilisi.  
Gostekhizdat Odeskoi SSSR "Tekhnika da shroma," 1956.  
38 p. [In Georgian] (MLRA 10:4)  
(Tkibuli--Description)

KOBIDZE, G.K., inzh.

New design of the intersectional coupling of the electric network  
of the VL8 electric locomotive. Elek. i tepl. tiaga no. 7:18-19 JI'  
'63. (MIRA 16:9)

1. Otdel glavnogo konstruktora Tbilisskogo elektrovostoitel'nogo  
zavoda im. Lenina.  
(Electric locomotives)

KOPIDZE, P. N.

MARIYA Nikolayevna

Dissertation: "On the Mechanism of Lead Dispersion." Cand Chem Sci, Tbilisi State U, Tbilisi, 1953. (Referativnyy Zhurnal--Khimiya, Moscow, No 4, Feb 54)

SC: SUM 243, 19 Oct 1954

*Kobidze, N.*

KOBIDZE, N.; MURTYAN, D.; LEVCHENKO, Ye.

Using the 2A0 apparatus for fumigating flour mills. Muk.elev.  
prom.23 no.8:25 Ag '57. (MIRA 10:11)

1. Odesskoye oblastnoye upravleniye khleboproduktov.  
(Fumigation) (Flour mills)

KOBIDEN, N.; LNYCHENKO, Ye.

Using chain bucket elevators for the fumigation of milling establishments. Mak. elev. prom. 23 no.12:26 D '57. (MIRA 11:2)

1. Odesskoye oblastnoye upravleniye khleboproduktov.  
(Flour mills--Equipment and supplies) (Fumigation)

KOBIDZE, K. I. INVCHENKO, Ye.

Degassing products with the 2AG apparatus. Muk.-elev.prom. 25  
no.3:26 Nr '59. (MIRA 12:6)

1. Odesskoye oblastnoye upravleniye khleboproduktov.  
(Grain elevators--Equipment and supplies)

4025 KOBIDZE, S. I.

Ekonomicheskoye polozheniye trudovogo krest'yanstva, cyvshego Osurgetskogo uyezda (Guriya) so vremeniprisoyedineniya k Rossii i neu ksonny most ego material'nogo elagosostoyaniya pri Sovetskoy vzasti v resul'tate pobedy kolkhoznogo stroya. (1811-1951 gg) Tbilisi, 1954. 30 21 sm. (Tbilis. gos. un-t im. I. V. Stalina). 100 eks. Bespl. (54-56633)



KOBIELA, J.

SMOLAGA, J; KOBIELA, J; WALCZYNSKI, J. Z.

Morphological examination of the secretion of the female  
nipple. Polski tygod. lek. 6 no. 49-50: 1580-1581 10 Dec 1951.  
(CLML 22:2)

1. Of the Institute of Forensic Medicine (Head--Prof. Jan.  
Olbrycht, M. D.) of Krakow Medical Academy.

KOBIELA, Jan; SMOLAGA, Jerzy; SOBIK, Jan

Critical and experimental studies on morphology of the material excreted from the female breast. I. Morphological components of the excreted material from the female breast. Polski tygod. lek. 9 no.23:705-708 7 June 54.

1. Z Zakładu Medycyny Sadowej A.M.w Krakowie; kierownik prof. dr Jan Olbrycht.

(RECAST, anatomy and histology,  
morphol. of excretions)

KOBINLA, Jan; SMOLAGA, Jerzy

Critical and experimental studies on morphology of breast secretion.  
III. Morphological components of breast secretion in lactation.  
Polski tygod. lek. 9 no.29:906-908 19 July 54.

1. Z Zakladu Medycyny Sadowej A.M. w Krakowie; kierownik: prof.  
dr Jan Olbrycht.

(LACTATION, physiology,  
breast, morphol. of secretion)

(BREAST,  
secretion in lactation, morphol.)

SMOLAGA, Jerzy; KOSINIA, Jan

Critical and experimental studies on morphology of excretions of  
the female breast. Polski tygod. lek. 9 no.26:810-812 26 June 54.

1. Z Zakladu Medycyny Sadowej A.M. w Krakowie; kierownik: prof. dr  
Jan Olbrycht.

(PREGNANCY, physiology,  
breast secretion, cytol.)

(LACTATION,  
secretion cytol. in pregn.)

**TOMASZEWSKI, Maciej; SMOLEGA, Jerzy; KOBIELA, Jan**

**Critical and experimental studies on secretion of the breast. IV.  
Morphological component of breast secretion in non-nursing mothers  
in puerperium. Polski tygod. lek. 9 no.32:1000-1001 9 Aug 54.**

**1. Z Zakładu Medycyny Sądowej A.M. w Krakowie, kierownik: prof.  
dr Jan Olbrycht.**

**(BREAST,**

**secretion in puerperium in non-nursing mothers, cytol.  
aspects)**

**(PUERPERIUM, physiology,**

**breast secretion, cytol. aspects)**

**SMOLAGA, Jerzy; KUBIŃKA, Jan; TOMASZEWSKI, Maciej**

Experimental studies on morphology of breast secretion. V, Morphological components of breast secretion in abortion. *Polaki tygod. lek.* 9 no.34:1065-1067 23 Aug 54.

1. Z Zakładu Medycyny Sądowej A.M. w Krakowie; kierownik: prof. dr Jan Olbrycht.

(ABORTION, physiology.

breast secretion, cytol. aspects)

(ERMAST,

secretion in abortion, cytol. aspects)

**TOMASZEWSKI, Maciej; KOSIŃKA, Jan; SMOLAGA, Jerzy**

Critical and experimental studies on morphology of breast secretion.  
VI. Morphologic components of breast secretion in conditions other  
than pregnancy, labor, and abortion. Polski tygod. lek. 9 no.40:  
1287-1288 4 Oct 54.

1. Z Zakładu Medycyny Sądowej A.M. w Krakowie; kierownik: prof. dr  
Jan Glibrycht.

(BREAST,  
secretion, cytol. aspects)

SMOLAGA, Jerzy; KOBIELA, Jan; TOMASZEWSKI, Maciej

Critical and experimental studies on morphology of excretion of the breast. VII. Morphologic studies of excretion of the breast from forensic viewpoint. Polski tygod. lek. 9 no.46:1475-1476 15 Nov 54.

1. Krakow, Zaklad Med. Sadowej, ul. Orzegorsecka 16.  
(BREAST,  
secretion, morphol. in forensic med.)



BAK, Stefan; KOBINLA, Jan; KULOZYCKI, Adam

Studies on microstructure of the muscular system of the lower extremities during chronic vascular changes. Polski przegl. chir. 26 no.2:153-166 P '54.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie, Kierownik: prof. dr K.Michejda, z Zakladu Medycyny Sadowej A.M. w Krakowie, Kierownik: prof. dr J.Olbrycht, z Zakladu Histologii A.M. w Krakowie, Kierownik: prof. dr J.Ackermann.

(THROMBOANGIITIS OBLITERANS, pathology,

\*leg muscles)

(LMO, muscles,

\*in thromboangiitis obliterans)

KOBIELA, JAN.

BAK, Stefan; KULCZYKI, Adam; KOBIELA, Jan

Studies on the vascular system of the lower extremities in  
Buerger's disease: the vascular system of the muscles; a preliminary  
communication. Polski przegl. chir. 26 no.2:166-169 P '54.

1. Z II Kliniki Chirurgicznej A.M. w Krakowie, Kierownik: prof.  
dr K. Michejda, z Zakładu Medycyny Sądowej A.M. w Krakowie, Kierow-  
nik: prof. dr. J. Olbrycht, z Zakładu Histologii A.M. w Krakowie,  
Kierownik: prof. dr J. Ackermann.

(THROMBOANGIITIS OBLITERANS, pathology.

\*leg blood vessels)

(LBO, blood supply,

\*in thromboangiitis obliterans, vasc. pathol.)

KOBIELA, Jan; SMOLOGA, Jerzy; TOMASZEWSKI, Maciej.

Experimental determination of the distance of a shot made from  
a military rifle. Arch.med.sand.,Warszawa 6:126-131 1955.

1. Z Zakladu Medycyny Sadowej AM w Krakowie. Kierownik: prof.  
dr. J. Olbrycht.

(WOUNDS AND INJURIES, experimental  
shot wounds from rifle, medicolegal determ. of distance)

EXCERPTA MEDICA Sec.5 Vol.10/5 Gen.Pathology May57

1449. KOBIELA J. and SMOLAK K. Zakt. Anat. Patol. i Med. Sądowej A.M.,  
Kraków. \*Zmiany histologiczne w wątrobie w przebiegu oparzeń leczonych  
taniną. Histological modifications of the liver during the  
treatment of burns with tannin PATOL.POL. 1956, 7/3  
(289-305) Tables 6 Illus. 5

An experimental study of 54 guinea-pigs was carried out with the purpose of  
determining the influence of tannin on the parenchymal liver cells after burning.  
It was found that tannin is absorbed by the intact skin and damages the liver ves-  
sels, subsequently causing parenchymal degeneration of the liver. The damaging  
effect of the tannin does not combine with the effect of the burn itself, however.  
Silver nitrate applied to burnt animals at the same time as the tannin did not  
influence the liver in any way.

Bechcińska Bożenna - Łódź

Country : POLAND  
 Category: Human and Animal Morphology (Normal and Pathological).  
 Pathological Anatomy

8

Abstr Jour: RZhBiol., No 2, 1959, No 7631

Author : Kobielska, Zofia; Kobielski, Jan  
 Inst : -  
 Title : Anomalies of Alimentary Tract Development

Orig Pub: Patol. polska, 1956, 7, No 2, 175-197

Abstract: Anomalies of development were observed in approximately 1.5% of cases. In 15 of 63 cases, there was a complete or partial obstruction of the alimentary tract in its sections below the esophagus; in 10, defect of esophagus and esophago-tracheal fistula development; in 9, diaphragmatic hernia; in 9, ano-

Z Kliniki Chorob Dzieci A.M. w Krakowie, Kierownik: prof. dr. T. Giza.

Z Zakładu Anatomii Patologicznej A.M. w Krakowie, Kierownik: prof. dr. J.

Card : 1/2 Kowalczykova. Z Zakładu Medycyny Sadowej A.M. w Krakowie,  
 Kierownik: prof. dr. nauk med. J. Olbrycht.

EXCERPTA MEDICA Sec.5 Vol.10/4 Gen.Pathology Apr 57

1230. KOBIELA J. and TOMASZEWSKI M. Zakt. Med. Sądowej A. M.; II Klin. Ginekol-Polozn. A. M., Kraków. \*Składowiki morfologiczne wydzieliny gruczołu mlecznego kobiety, badane w mikroskopie kontrastowo-fazowym. The morphological components in the secretion of the mammary gland of women under the phase-contrast microscope PRZEGL.LEK. 1956, 12/11 (342-344) illus. 12

The aim of the present paper is to give a more accurate morphological elaboration of the epithelial elements in the secretion of the mammary gland (see Exc. Med., Sec. V, 1955, abstr. no. 3512). Although Papanicolaou's method of staining makes it possible to identify the cells more accurately, only phase-contrast microscopy has rendered it possible to observe the particular phases of the changes in the cells. However, it requires experience. These techniques may find application in forensic medicine in proving pregnancy, childbirth, or abortion, and may also become a supplementary test in obstetrics and gynaecology. Mikulowski - Cracow

KOBIELA, Jan

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees:

Department of Legal Medicine, School of Medicine (Akademia  
Affiliation: Medyczna), Cracow; Director: Jan OLBRYCHT, Prof dr of  
Medical Sciences

Source: Warsaw, Przegląd Lekarski, No 4, 1961, pp 171-174

Data: "The Haptoglobins in the Polish Population and the Use of the  
Hp System in Forensic Practice."

**KOBIELA, Jan; GROCHOWSKI, Jan; GURDA, Marian**

Studies on the Hp group (haptoglobin) in patients. Pol. tyg. lek. 16  
no. 51:1961-1963 18 D '61.

1. Z Zakladu Medycyny Sadowej A.M. w Krakowie; kierownik: prof. dr Jan  
Olbrycht, z II Kliniki Chirurgicznej A.M. w Krakowie; kierownik: prof.  
dr Jan Ossacki, z III Kliniki Chorob Wewnętrznych A.M. w Krakowie;  
kierownik: prof. dr Julian Aleksandrowicz)

(MUCOPROTEINS)



OLBRYCHT, Jan; KOBIELA, Jan

Blood group tests in the Institute of Forensic Medicine of the Academy of Medicine in Krakow in cases of paternity and child identification, Pol. tyg. lek. 17 no.8:284-286 19 P '62.

1. Z Zakładu Medycyny Sadowej AM w Krakowie; kierownik: prof. dr nauk med. Jan Olbrycht.

(PATERNITY)

KOBIELA, J.

Frequencies of haptoglobin serum groups in Poland. Folia biol 10  
no.3/4:321 '62.

1. Department of Legal Medicine, Medical Academy, Krakow.

\*

**POLAND**

KOBIELOWA, Zofia, KOBIEŁA, Jan, GROCHOWSKI, Jan, and SLATNIK, Jozef; First Clinic for Child Diseases (I Klinika Chorob Dzieci) (Director: Prof. Dr. T. GIEA), Department of Legal Medicine (Zaklad Medycyny Sadowej) (Director: Prof. Dr. med. sci. Jan OLBRYCHT), and Second Surgical Clinic (II Klinika Chirurgiczna) (Director: Prof. Dr. Jan OSZACKI), all of the AM [Akademia Medyczna, Medical Academy] in Krakow, and Children's Rehabilitation Sanatorium (Sanatorium Rehabilitacyjny dla Dzieci) in Radziszew (Director: Dr. Jozef SLATNIK)

"Haptoglobin (Hp) Group System in Some Diseases of Children."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 39, 24 Sep 62, pp 1497-1499.

Abstract: [Authors' English summary modified] No effect on Hp group properties was observed in 488 children (1 mo -- 12 years) with various diseases, except two cases born with severe neonatal jaundice. Authors conclude these group properties to be rather stable and discuss existence of Hp<sup>0</sup> gen and possibility of genetic ahaptoglobulinemia. Nine references: 5 Polish, 3 English, 1 German.

KOBIELONA, Zofia; KOBIELA, Jan; GROCHOWSKI, Jan; SLATNIK, Josef

The group system of haptoglobins (Hp) in some childhood diseases. Pol. tyg. lek. 17 no.39:1497-1499 24 S '62.

1. z I Kliniki Chorob Dzieci AM w Krakowie, kierownik: prof. dr T. Giza, z Zakładu Medycyny Sądowej AM w Krakowie, kierownik: prof. dr nauk med. Jan Olbrycht, z II Kliniki Chirurgicznej AM w Krakowie, kierownik: prof. dr Jan Ossacki i z Sanatorium Rehabilitacyjnego dla Dzieci w Radziszowie, kierownik: dr Josef Slatnik.

(HAPTOGLOBINS)

(PEDIATRICS)

(BLOOD GROUPS)

KOBIELA, Jani MOSTOWSKI, Jerzy

Studies on the Gm system among blood donors in Krakow. Pol.  
tyg. lek. 18 no.40:1478-1480 30'S '63.

1. Z Zakladu Medycyny Sadowej AM w Krakowie; kierownik: prof.  
dr nauk med. Jan Olbrycht z Wojewodskiej Stacji Krwiodawstwa  
w Krakowie; dyrektor: dr Jerzy Mostowski.  
(BLOOD GROUPS) (BLOOD DONORS)  
(STATISTICS)

CHOLEWA, Leon; KOBIELA, Jan; KOCEMBA, Jozef; LANKOSZ, Jan

Advanced hemolytic anemia with atypical agglutination. Pol.  
tyg. lek. 19 no.3:107-109 . 20 Ja'64

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie (kierownik:  
prof.dr. Leon Tochowicz) i z Zakładu Medycyny Sądowej AM w  
Krakowie (kierownik: doc.dr. Jan Kobiela).

\*

KOBLELA, Jan; TUROWSKA, Bożena; GAWRILEWSKI, Wiesław; URASINSKI, Ignacy

Anti-M agglutinins in the serum of a femal patient. Arch.  
immun. ther. exp. 12 no.6:667-669 '64

1. Institute of Forensic Medicine, School of Medicine, Cracow,  
and IInd Clinic of Internal Diseases, School of Medicine,  
Cracow.

TUROWSKA, Bosena; KOBIELA, Jan; doc. dr.; MIECZNIKOWSKA, Maria;  
JUGOWSKA, Kisieta.

Group system of haptoglobins in newborn infants. Med. dosw.  
microbiol. 17 no.1:67-70 '65.

1. Z Zakladu Medycyny Sadowej Akademii Medycznej (Kierownik:  
doc. dr. J. Kobiela) i z Oddzialu Ginekologiczno-Polozniczego  
Szpitala im. G. Narutowicza w Krakowie.



KOBIELA, Jan; MAREK, Zdzislaw; TURCOWSKA, Bozena

The Gc group system in the Polish population. Folia med. Cracov.  
6 no.3:355-361 '64.

KOBIELA, Jerzy, MUSIOLIK, Marian

Abortion induced by intra-uterine injection of soap solution.  
Polski tygod. lek. 13 no.14:518-521 7 Apr 58

1. (Z I Kliniki Położnictwa i Chorob Kobietych Śląskiej Akademii  
Medycznej w Zabrze; kierownik; doc. dr W. Starsewski)  
(ABORTION, CRIMINAL, case reports,  
by intra-uterine soap suds inject. (Pol))

KOBINIA, Jerzy (Bytom, ul. Chrobrego 8 m. 8.)

Sodium, potassium & calcium levels in the plasma of blood during the third stage of labor & in umbilical & extraplacental blood, Polaki tygod. lek. 13 no.23:867-869 9 June 58.

1. (Z I Kliniki Pol. i Chor. Kob. Sl. Akad. Med. w Zabrzu; kierownik: doc. dr Wojciech Starzewski)

(LABOR, blood in

calcium, potassium & sodium in fetal, maternal & umbilical blood during 3rd stage (Pol))

(CALCIUM, in blood

fetal, maternal & umbilical levels during 3rd stage of labor (Pol))

(POTASSIUM, in blood

same)

(SODIUM, in blood

same)

(FETUS, blood in

calcium, potassium & sodium levels during 3rd stage of labor (Pol))

(UMBILICAL CORD

blood calcium, potassium & sodium levels during 3rd stage of labor (Pol))

KOBIELA, Jerzy

On a possibility of sex determination in human embryo. Gin.polska  
31 no.2:165-171 Nr-Ap '60.

1. Z I Kliniki Położnictwa i Chorób Kobietych Śląskiej A.M. w  
Zabrsu. Kierownik: prof.dr W. Starzewski.  
(SEX DETERMINATION)

WAWRYK, Roman; KOBIELA, Jerzy

The level of sodium and potassium in the blood serum following gynecological operations. Ginek. Pol. 33 no.1:141-151 '62.

1. Z I Kliniki Położnictwa i Chorob Kobietych Śląskiej AM w Zabrze.  
Kierownik: prof. dr W. Starzewski.

(GENITALIA FEMALE surg) (SODIUM blood)  
(POTASSIUM blood)

POLAND

MUSIOŁIK, Marian, KOBIELA, Jerzy, and WAWRYK, Roman; First Clinic of Obstetrics and Gynecology (I Klinika Położnictwa i Chorob Kobietych) Śl. AM [Śląska Akademia Medyczna, Śląska Medical Academy] in Zabrze (Director: Prof. Dr. Med. W. Starzewski (deceased))

"Use of Forceps at the First Clinic of Obstetrics and Gynecology at Zabrze during 1952-1960."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 31, 29 Jul 63, pp 1138-1142

**Abstract:** [Authors' English summary modified] Authors report on a statistical study of the use of forceps in deliveries at the hospital with which they are affiliated. Indications for the use of forceps were threatened asphyxia of foetus (61.3 per cent of cases) and no progress in 2nd period of labor (31.7 per cent). The procedure was applied in 3.9 per cent of all cases, of which 80.9 per cent were primiparae and 19.1 multiparae. No complications were observed during 3rd period of labor and puerperium. The cut peritoneum healed per primam, as a rule. Mortality of newborns was 2.8, against overall 4.8 percent for the ward, and authors consider procedure desirable. 26 refs: 2 Western, 11 German, others Polish.  
1/1

KOBIELA-KRZYSZKOWA, Krystyna.

On the pathogenesis of papilledema. Klin. ocna 24 no.4:267-274

**BANDWA Stanisława, KOBINŁOWA, Zofia**

**Tetanus neonatorum, Pediatr.polska 30 no.5:443-453 May '55.**

1. Z Kliniki Chorob Dzieci A.M. w Krakowie. Kierownik: prof.  
dr. med. W. Bujak. Kraków, Szpitalna 36 m. 3.

(TETANUS, in infant and child,  
newborn)

(INFANT, NEWBORN, diseases,  
tetanus)

KOBIELOVA, Zofia; SKULOWA, Jadwiga

Case of chondrodystrophy. Pat. polska 7 no.1:65-68 Jan-Mar 56.

1. z Kliniki Choroib Dzieci A. N. w Krakowie. Kivr. prof dr. Wl.  
Bujak Krakow, ul. Wielopole 7.

(DYSCHONDROPLASIA, case reports,  
(Pol))

Country : POLAND

Category: Human and Animal Morphology (Normal and Pathological).  
Pathological Anatomy

8

Abstr Jour: RZhBiol., No 2, 1959, No 7631

Author : Kobielska, Zofia; Kobielski, Jan

Inst :                     

Title : Anomalies of Alimentary Tract Development

Orig Pub: Patol. polska, 1956, 7, No 2, 175-197

Abstract: Anomalies of development were observed in approximately 1.5% of cases. In 15 of 63 cases, there was a complete or partial obstruction of the alimentary tract in its sections below the esophagus; in 10, defect of esophagus and esophago-tracheal fistula development; in 9, diaphragmatic hernia; in 9, ano-

Card : 1/2  
Z Kliniki Chorob Dzieci A.M. w Krakowie, Kierownik:  
prof. dr. T. Giza. Z Zakładu Anatomii Patologicznej A.M. w Krakowie, Kierownik:  
prof. dr. J. Kowalczykova. Z Zakładu Medycyny Sadowej A.M. w Krakowie,



EXAMPTA MEDICA Sec 6 Vol 13/7 Internal ed. July 50

3835. THE PROBLEM OF SCLEROSIS OF THE BONES AND CALCIFICATION OF THE KIDNEYS ASSOCIATED WITH THYROID HYPOFUNCTION. ON THE BASIS OF AN OBSERVED CASE - Zagadnienie stwardnienia kości i zwapnienia nerek w zespole z niedoczynnością tarczycy na przykładzie spostrzeżanego przypadku - Kobielowa Z., Czapnicka M. and Chlap Z. Klin. Dziec. i Klin. Radiol. i Zaki. Anat.-Patol., A.M., Kraków - PAT. POL. 1958, 9/3 (279-287) Illus. 8

The rare picture of congenital thyroid insufficiency with disturbances in the Ca-P metabolism, with generalised sclerosis of the bones and calcification of the kidneys was seen in a 4-year-old girl. The inhibition of physical and mental development, which remained at the level of a 6-month-old infant, as observed clinically, was associated with renal insufficiency and marked anaemia. A picture of disseminated osteopetrosis was found in the bones radiologically. Treatment with thyroid products was carried out for 6 months, in consequence of which the general condition of the child improved, as did the blood picture and the radiological picture of the bony system. Death occurred suddenly with symptoms of circulatory insufficiency and collapse. A marked degree of thyroid underdevelopment, atrophy of the muscles, lymphatic system and adrenals, and glycogenous degeneration of the liver and heart were shown at postmortem and histopathologically. Numerous disseminated calcifications were also observed in the kidneys. (VI, 3, 7, 1958)

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317-320 16 Feb 59.

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Anatomii Patologicznej A. M. w Krakowie; kierownik: prof. dr J.  
Kowalczykowa. Adres: Krakow, Klin. Dzieciatcz.  
(SYMPATHICOBlastoma, in inf. & child  
clin. manifest. & ther. (Pol))

KOBIELOWA, Zofia; LASKI-KOBIELSKA, Halina

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Tadeusz Giza.  
(JOINTS dis)

KOBIELOWA, Z.; KUCHARSKA, K.; POPCZYNSKA-MARKOWA, M.; SOKOLOWSKA-PITUCHOWA, J.

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T. Giza Department of Pathological Anatomy Medical Academy, Cracow  
Director: Prof. Dr. J. Kowalczykova.

(HEART DEFECTS CONGENITAL pathol)

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(ADENOSINE PHOSPHATES ther) (MUSCULAR DYSTROPHY ther)

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i z Zakładu Anatomii Patologicznej AM w Krakowie Kierownik: prof. dr  
J. Kowalczykova.

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**KOBIELOWA, Zofia; KUCHARSKA, Krystyna; OSTROWSKI, Antoni**

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Giza.**

**(NEPHROTIC SYNDROME ther)**

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(NEPHROTIC SYNDROME in inf & child)



**POLAND**

KOBIELOWA, Zofia, KOBIELA, Jan, GROCHOWSKI, Jan, and SLATNIK, Jozef; First Clinic for Child Diseases (I Klinika Chorob Dzieci) (Director: Prof. Dr. T. GIZA), Department of Legal Medicine (Zaklad Medycyny Sadowej) (Director: Prof. Dr. med. sol. Jan OLBRYCHT), and Second Surgical Clinic (II Klinika Chirurgiczna) (Director: Prof. Dr. Jan OSZACKI), all of the AM [Akademia Medyczna, Medical Academy] in Krakow, and Children's Rehabilitation Sanatorium (Sanatorium Rehabilitacyjno; dla Dzieci) in Radziszow (Director: Dr. Jozef SLATNIK)

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Warsaw, Polski Tygodnik Lekarski, Vol 17, No 39, 24 Sep 62, pp 1497-1499.

Abstract: [Authors' English summary modified] No effect on Hp group properties was observed in 488 children (1 mo -- 12 years) with various diseases, except two cases born with severe neonatal jaundice. Authors conclude these group properties to be rather stable and discuss existence of Hp<sup>0</sup> gen and possibility of genetic ahaptoglobulinemia. Nine references: 5 Polish, 3 English, 1 German.

1/1

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APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723410009-

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(NORTESTOSTERONE)  
(ANABOLIC STEROIDS)

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1. Institute of Forensic Medicine of the School of Medicine, Krakow.  
Head: Prof. Dr. J. Olbrycht, and I Children's Clinic of the School  
of Medicine, Krakow. Head: Prof. Dr. T. Giza.

ROBITKOWA, Zofia; ROBITKOWA, Halina; STAPINSKA, Janina; CHODZIEWSKA,  
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(BROMIDES metab)  
(HEMATOENCEPHALIC BARRIER)

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GUNTAT, B.; KOBINSKA, H.; KOZAKOW, H.; KRZYSZKOWSKA, A.; KURYLOWICZ, W.;  
KUZNIECOW, A.; MULLER, H.; RAFINSKI, T.; ROMANOWSKA, I.; SITEK, K.;  
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Early results of vaccination against tuberculosis with vaccines prepared  
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Simultaneous bronchial reactions in children. *Pediat. polakx* 34 no.3:  
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1. 3 Centralnej Poradni Przeciwgruźliczej w Warszawie Dyrektor: dr  
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prof. dr med. Fr. Groer. Adres: doc. H. Kobiebska, Warszawa, ul.  
Obronców 18.

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(SINUSITIS, in inf. & child,  
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(Bridges, Wooden)

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tekhn. nauk, inzhener-podpolkovnik; SHEVCHENKO, G., kand.  
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ca		9	
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<p>ASB-11.4 METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>FROM SOURCE</p>		<p>FROM SOURCE</p>	
<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>		<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>	

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Donets Basin - Coal

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Monthly List of Russian Accessions, Library of  
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**KOBILEV, A.G.,** dotsent, kandidat geologo-mineralogicheskikh nauk.

Relationship of tectogenesis to lithogenesis based on the analysis  
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(Donets Basin--Coal geology)

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Mineralogical investigations of the productive series of the Donets Basin based on a facial-phase analysis of its sedimentation. Vop.min.osad.obr. 3/4:308-314 '56. (MLRA 9:11)

1. Politeknicheskii institut imeni S.Ordzhonikidze, Novocherkassk.

(Donets Basin--Mineralogy)

(Donets Basin--Geology, Stratigraphic)

KOBIL'EV, A.G.; LAZAREV, V.S.

Lithological survey of coal-bearing deposits of the Donets Basin  
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182-191 '56. (MLBA 9:8)

1. Novocherkasskiy politekhnicheskii institut.  
(Donets Basin--Coal geology)



*Kobilev, A.G.*

3-1-8/32

**AUTHOR:** Kobilev, A.G., Professor, Director of the Novosherkassk Polytechnic Institute imeni S.Ordzhonikidze; Kozlovskiy, M.T., Professor, and Doroshevich, M.V., Director of the Belorussian Polytechnic Institute.

**TITLE:** When Will the Higher School Receive its New Standard Statutes (Kogda she vysshaya shkola poluchit novyy tipovoy ustav)

**PERIODICAL:** Vestnik Vysshey Shkoly, # 1, pp 32-35 (USSR)

**ABSTRACT:** The 3 authors emphasize the necessity of issuing new statutes for the higher schools, making some suggestions and raising objections in respect to the project, which was worked out in 1956 by an All-Union Conference of School Directors. They agree that the new standard statutes should provide for a widening of the vuzes' rights so as to enable them to decide with greater independence questions of instructional and scientific work.

The article mentions the names of Professors G.N.Petrov, and M.G.Chilikin, who on a previous occasion complained about the delay in approving the project. Professor M.T.Kozlovsky, however, thinks that with a view to the instruction letter No "V-100" of the USSR Ministry of Higher Education, containing

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When Will the Higher School Receive its New Standard Statutes 3-1-8/52

recommendations for a further improvement of the teaching process and the instructors' scientific work, it would be premature to approve the project before sufficient practical experience has been gathered.

Professor A.G.Kobilev states that school life is at present regulated by antiquated statutes and volumes of orders which make it difficult to find the proper reply for a given problem.

The statutes will also be of importance in the schools' dealings with outside persons and institutions, in particular in their contact with industry.

It will be essential to simplify the process of deciding upon organisational questions by entitling the directors to resolve personnel questions or problems of re-distribution of budget funds.

Professor Kobilev points out that at present the vacancies of professors, dotsents and their assistants are filled by competition. According to the new statutes deans would be elected. He considers that directors and rectors should also be elected, and, in case of need, the election be approved by some higher authority. Professor M.T.Kozlovskiy suggests

Card 2/A

KOBILEV, A. G.

**AUTHORS:**

Radushev, V. I., Kobilev, A. G.,

20-1-45/58

**TITLE:**

Data on the Diagenesis of Alluvial Deposits of the Arid Zone of Sedimentation (K poznaniyu diageneza allyuvial'nykh osadkov aridnoy zony sedimentatsii)

**PERIODICAL:**

Doklady AN SSSR, 1958, Vol. 110, Nr 1, pp. 160-163 (USSR)

**ABSTRACT:**

Most of the aluvial depcits are during a large part of the year under subaerial conditions. In numerous samples of various facies of the recent alluvium of the Don and tributaries, as well as of the Volga, the authors determined some peculiarities of the diagenesis as described in the title. The water near to the ground possesses a high capability of oxidation (reference 1), therefore the oxidizing authogenic formation of minerals is far developed in the deposits of the river-bed facies during the early diagenesis. This is also promoted by a free aeration of the sand deposits and by the low content of organic carbon (figure 1). In this connection the generation of calcium carbonates and iron hydroxides takes place. The occurrence of carbonates of chemical origin in the deposits is in connection with the supersaturation of the water near to the ground with  $Ca^{++}$  and  $HCO_3^-$  ions during the warm season (reference 2). On transition from the shallow places to subaerial conditions the authogenic enrichment with iron

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APPROVED FOR RELEASE: 09/18/2001  
Data on the Diagenesis of Alluvial Deposits of the Arid Zone of Sedimentation.

CIA-RDP86-00513R000723410009-5  
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by sedimentation of colloidal iron oxides, as crusts and films, on clastogenic grains by evaporation of aqueous solutions takes place. Further changes during the early diagenesis are redistributions of the substance of the river-bed deposits. Carbonates ( $CaCO_3$ ), oolites and spherulites form. The sands cemented by iron hydroxides. The redistribution of the substance intensively takes place in strongly moistened deposits. These stages, the oxidation stage of the formation of minerals and the stage of redistribution, may take place in parallel or independently of each other and are independent of the change of seasons. In the deposits of the facies of the flooded region the type of diagenetic processes changes. Here is much more organic carbon (figure 1) whose content increases from aleurolites in the direction of clays. The microorganism thriving here, especially in moistness, draw oxygen from the medium, whereby the latter assumes a reducing character. After the removal of the flood the oxygen deficiency does not change very much either, as the pelite deposits are slightly permeably and rich in organic substances. The protoxide medium leads to the transition of ferric oxide to ferrous oxide (pyrite, troilite, hydrotroilite, mel'nikovite, vivianite). Sulfide iron plays an especially important part. It indicates that

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Data on the Diagenesis of Alluvial Deposits of the Arid Zone of Sedimentation. 20-1-45/58

H<sub>2</sub>S which precipitates sulfite compounds of iron is formed. H<sub>2</sub>S is also formed in the mud-solutions in the arid zone of the rivers by reduction of sulfates. Various hydroxetites arriving with the normal splinter-material represent the source of iron. During the larger part of the year the sediments of the flooded region are under the influence of soil-forming processes and of weathering. Thereby prismatic and lumpy structures, root traces and other channels form. By these processes the ferrosferrioxide forms are partially again converted to oxide forms. The redistribution of the substance here takes place much more intensively than in the river-bed facies, as (figure 2) the aleurolites and clays are much moister here than the sands of the latter facies. A centrifugal diffusion is brought about here, which is indicated by the position of hydroxetite-rings around the pore-canals. Under the conditions of increased evaporation the solubility of calcium-bicarbonate in the warm water of the pore-canals decreases. It is precipitated as calcium-monocarbonate and fills up the canals from the periphery toward the center. The diagenesis is complicated by the soil-forming processes and by weathering, but often completely suppressed under subaerial

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Data on the Diagnosis of Alluvial Deposits of the Arid Zone of Sedimentation. 20-1-45/58  
"APPROVED FOR RELEASE: 09/18/2001" CIA-RDP86-00513R000723410009-5

conditions. The alternation of the two initially mentioned stages of diagenesis depends on the seasonal floods. An oxidizing and a reducing and a redistributing stage of mineral new formations may be distinguished in the facies of the Altarne("staritsy"). There are 2 figures, 6 references, 5 of which are Slavic.

ASSOCIATION: Novocherkassk Polytechnic Institute imeni S. Ordzhonikidze (Novocherkasskiy politekhnicheskiy institut im. S. Ordzhonikidze)  
PRESENTED: July 23, 1957, by N. M. Strakhov, Academician  
SUBMITTED: July 10, 1957  
AVAILABLE: Library of Congress

Card 4/4

**LAZAREV, V.S. ; KOBILIN, A.G.**

**Typomorphic rocks in the Donets coal-bearing formation and the characteristics of the stratification of typomorphic varieties in sections. Izv.vys.ucheb.zav.; geol.i razv. 2 no.4:68-73 Ap '59. (MIRA 12:12)**

- 1. Dneprchertnaskiy politekhnicheskii institut.  
(Donets Basin---Coal geology)**

**MYRKOV, A.A.; KOBILEV, A.O.**

Use of diagenetic products for facies analysis as exemplified by  
Donets Basin argillites. Izv. vys. ucheb. zav.; geol. i razv.  
2 no.7:37-42 J1 '59 (MIRA 13:3)

1. Novocherkasskiy politekhnicheskiy institut.  
(Donets Basin--Argillite)

YEGOROV, Aleksandr Ivanovich; KOBILEV, A.O., otv. red.; PALAMARCHUK, A.B.,  
red. 1st-vz; PAVLICHENKO, M.I., tekhn. red.

[Belts of coal formations and oil- and gas-bearing zones of the  
earth] Poiasa ugleobrazovaniia i neftegazonosnye zony zemnogo sha-  
ra. Rostov-na-Donu, Izd-vo Rostovskogo univ., 1960. 181 p.

(MIRA 14:7)

(Coal geology)

(Petroleum geology)

(Gas, Natural—Geology)

S/081/63/000/003/010/036  
B144/B186

AUTHORS: Nyrkov, A. A., Kobilev, A. G.

TITLE: Thermal analysis of zeolites

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1963, 155, abstract  
3E35 (Tr. 6-go Soveshchaniya po eksperiment. i. tekhn.  
mineralogii i petrogr., 1961. M., AN SSSR 1962, 152-158)

TEXT: The results are given of differential thermal analysis, dynamic dehydration, and chemical analysis of some zeolites (I). The conversion products were studied by x-ray analysis and optically. The investigation covered chabazite, heulandite, desmine, thomsonite, harmotome, mesolite, and natrolite. The dependence was studied of the temperature of the exothermic reaction on the Si:Al ratio. On dehydrogenation, I (with the exception of chabazite), heated to  $>750^{\circ}\text{C}$ , lost their crystalline structure and became roentgenologically amorphous and optically isotropic. A temperature increase brought about the formation of a crystalline phase (nephelite for soda-I and basic plagioclase for calcium-I). Heating of I containing mainly barium to

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Thermal analysis of zeolites

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740°C led to the new formation of hyalophane and barbterite. The results of the differential thermal analysis show that in some I the water separates in several stages; this confirms the opinion as to the non-uniform character of water in I. [Abstracter's note: Complete translation.]

Card 2/2

RODIONOVA, A.Ye.; KOBILEV, A.G.; OVCHARENKO, P.P.

Chemical methods for determining the free silicon dioxide content  
of rocks. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 6 no.3:  
518-521 '63. (MIRA 16:8)

1. Novocherkasskiy politekhnicheskiy institut, kafedra  
kristallografiy, mineralogii i petrografi.  
(Silica) (Rocks—Analysis)

RODIONOVA, A.Ye.; KOBILEV, A.G.

Effect of disintegration of argillaceous rocks on the results  
of X-ray analysis. Zap. Vses. min. ob-va 92 no.6 740-745 '63.  
(MIRA 18:3)

1. Kafedra kristallografii, mineralogii i petrografii Novocher-  
kasskogo politekhnicheskogo instituta.

KOBILEV, G.A.

Stages in the mineralization and epigenetic alteration of endogenous deposits. Sov. geol. 7 no.7:141-146 J1 '64. (MIRA 17:11)

1. Novochoerkasskiy politekhnicheskii institut.